

What is claimed is:

1. A memory management method for storing in memory a message that is constituted by a plurality of parameters of any size; said memory management method comprising steps of:

- 5 reserving a message data area of a predetermined size in said memory for storing said message;
- providing an actual value area, which is an area for storing values of the parameters, in said message data area, and sequentially storing values of said parameters
- 10 in the actual value area without creating unused areas;
- creating a parameter list in which positional information is registered that indicates the locations at which values of the parameters are stored; and
- referring to said parameter list to access said
- 15 message data area and read out each value of said parameters that are necessary for each of predetermined processes.

2. A method according to claim 1, wherein said method further comprises steps of:

- providing a new message data area in said memory when there is no empty area for storing said parameters in
- 5 said message data area; and
- sequentially storing the parameters in the new message data area.

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3. A method according to claim 1, wherein said method further comprises steps of:

providing a flag area in said message data area for storing flags that indicate the existence of values of said parameters;

storing values of said flags corresponding to said parameters in said flag area; and

registering, in said parameter list, positional information that indicates the location at which said flags are stored.

4. A method according to claim 2, wherein said method further comprises steps of:

providing a flag area in said message data area for storing flags that indicate the existence of values of said parameters;

storing values of said flags corresponding to said parameters in said flag area; and

registering, in said parameter list, positional information that indicates the location at which said flags are stored.

5. An information processor, comprising:

memory including a message data area of a predetermined size in which a message is stored that is constituted by a plurality of parameters of any size, and an actual value area, which is an area for storing values

of the parameters in said message data area; and

10 a processing means for sequentially storing values
of said parameters in the actual value area without
creating unused areas, creating a parameter list in which
positional information is registered that indicates the
locations at which values of the parameters have been
stored, referring to said parameter list and accessing
said message data area, and reading out each of the values
of said parameters that are necessary for each of
15 predetermined processes.

6. An information processor according to claim 5,
wherein said processing means provides a new message data
area in said memory when there is no empty area in said
message data area for storing said parameters, and
5 sequentially stores the parameters in the new message data
area.

7. An information processor according to claim 5,
wherein:

said message data area of said memory includes a
flag area for storing flags that indicate the existence of
5 values of said parameters; and

said processing means stores, in the flag area,
values of said flags that correspond to said parameters,
and registers, in said parameter list, positional
information that indicates the locations at which said

10 flags are stored.

8. An information processor according to claim 6,
wherein:

said message data area of said memory includes a
flag area for storing flags that indicate the existence of
5 values of said parameters; and

said processing means stores, in the flag area,
values of said flags that correspond to said parameters,
and registers, in said parameter list, positional
information that indicates the locations at which said
10 flags are stored.

9. An information communication system comprising
a plurality of information processors according to claim 5
that are connected together to allow communication by way
of a network.

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